

Healthcare Occupations Data

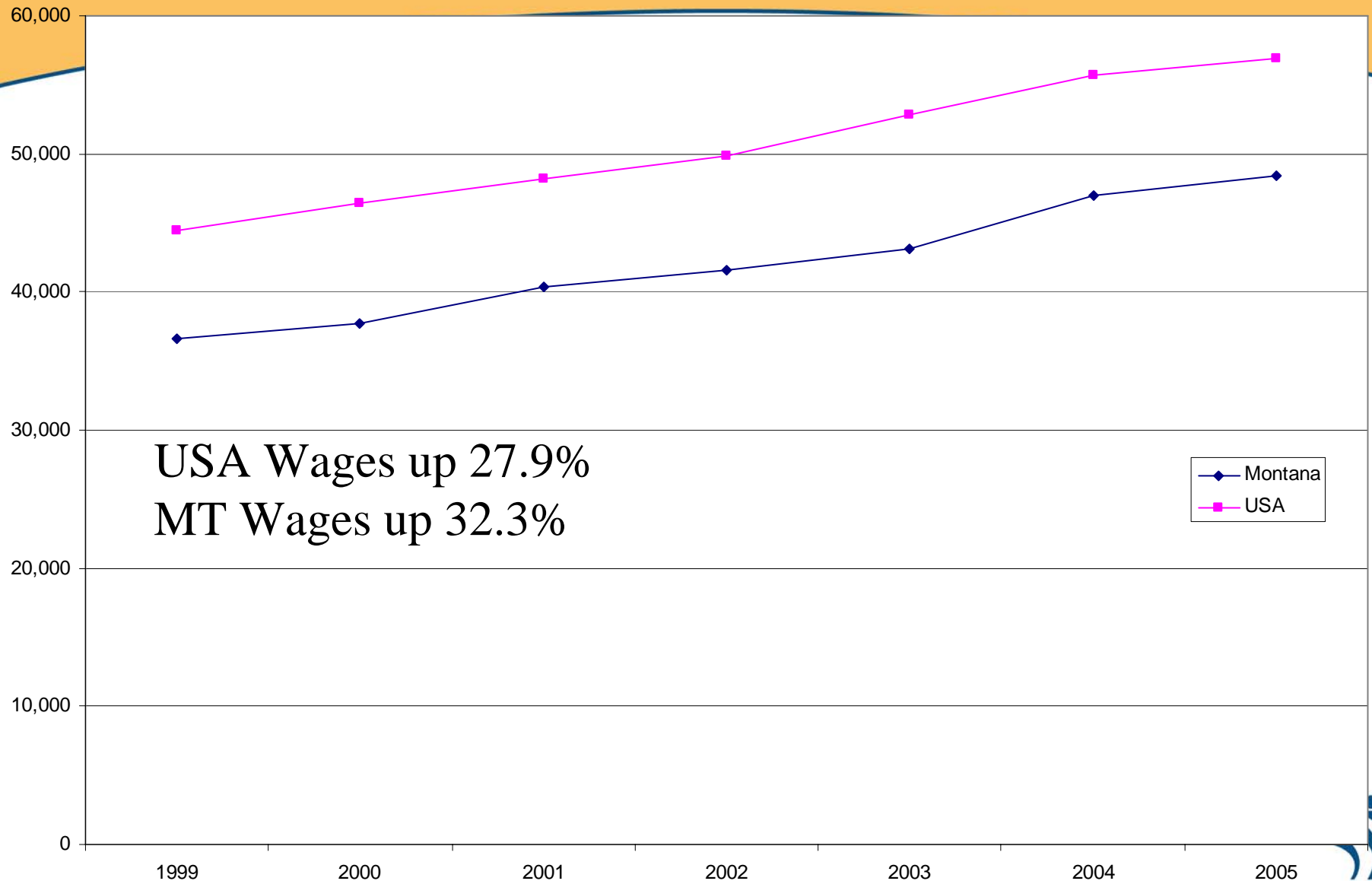
Brad Eldredge Ph.D.

Research and Analysis Bureau

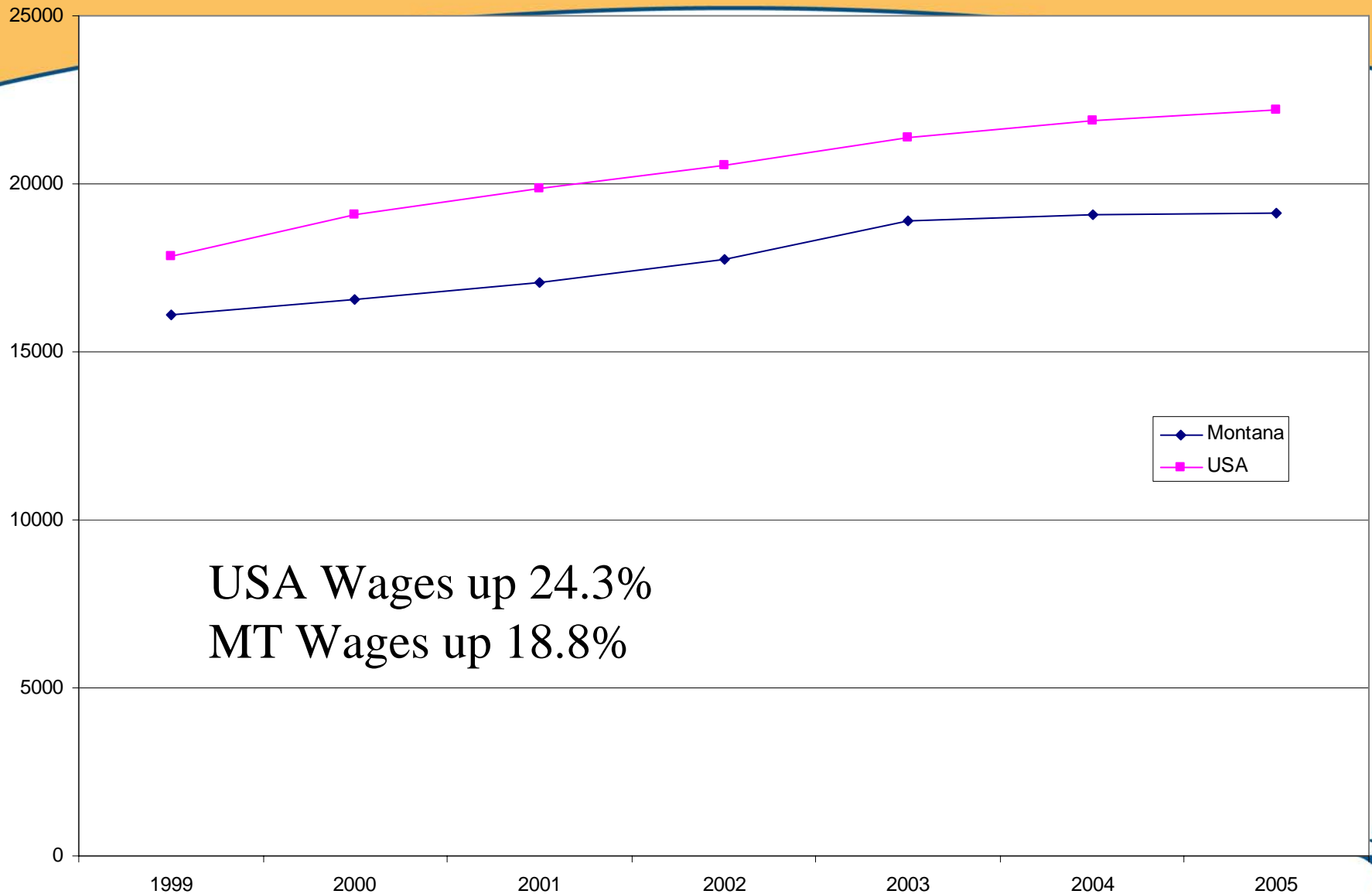
Montana Dept. of Labor and Industry



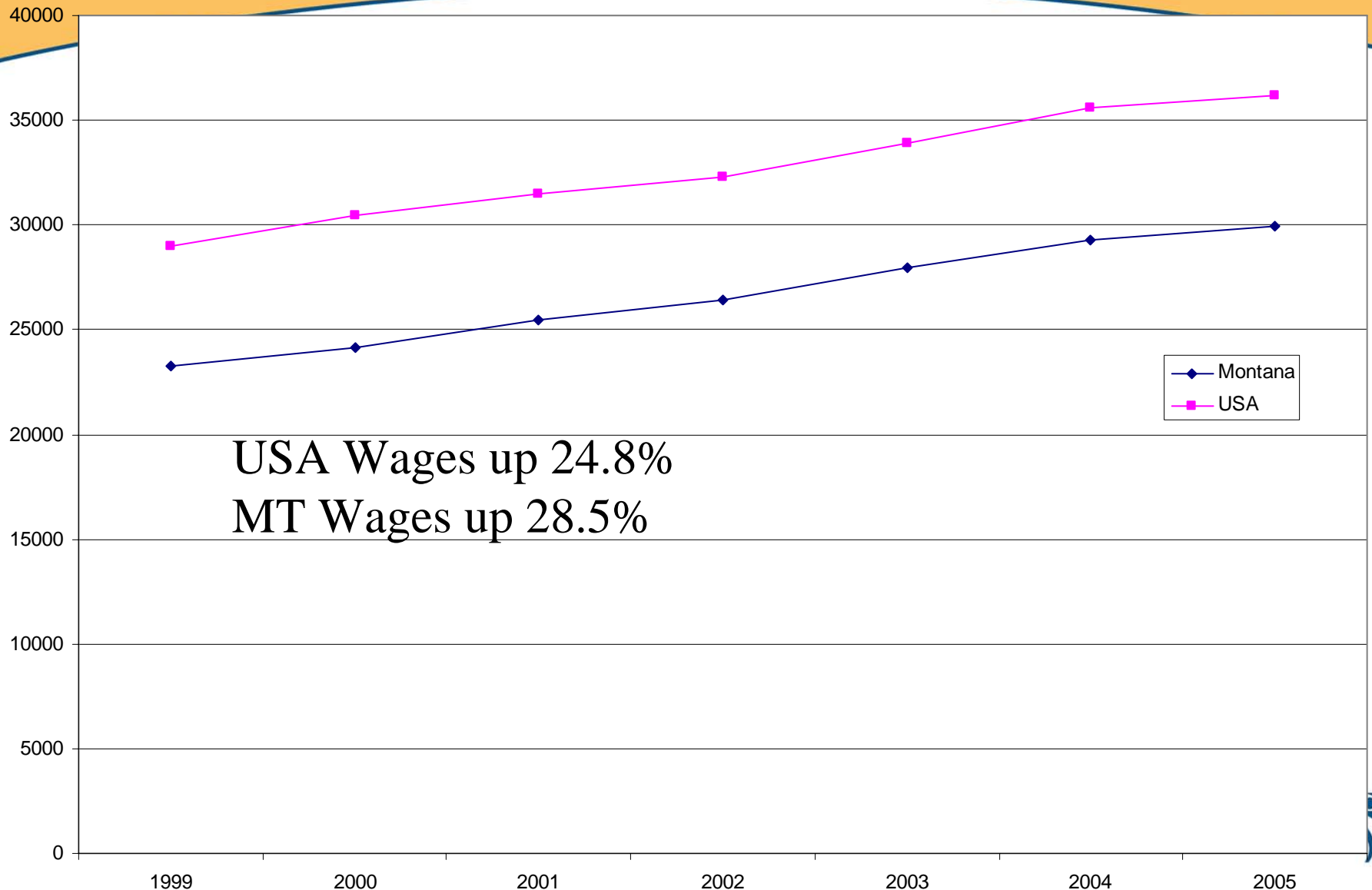
Nursing Wages: 1999-2005



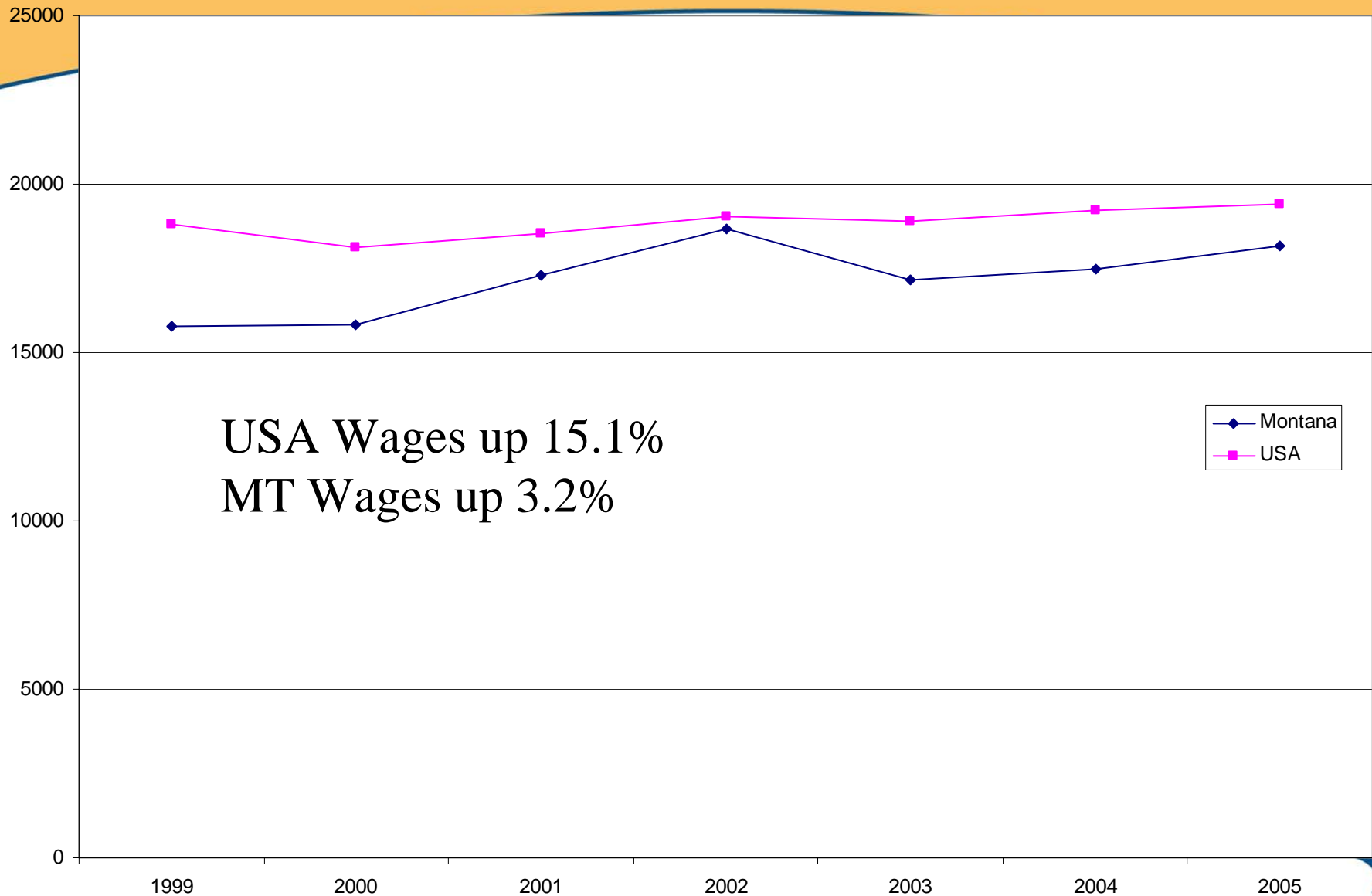
Nursing Aides Wages: 1999-2005



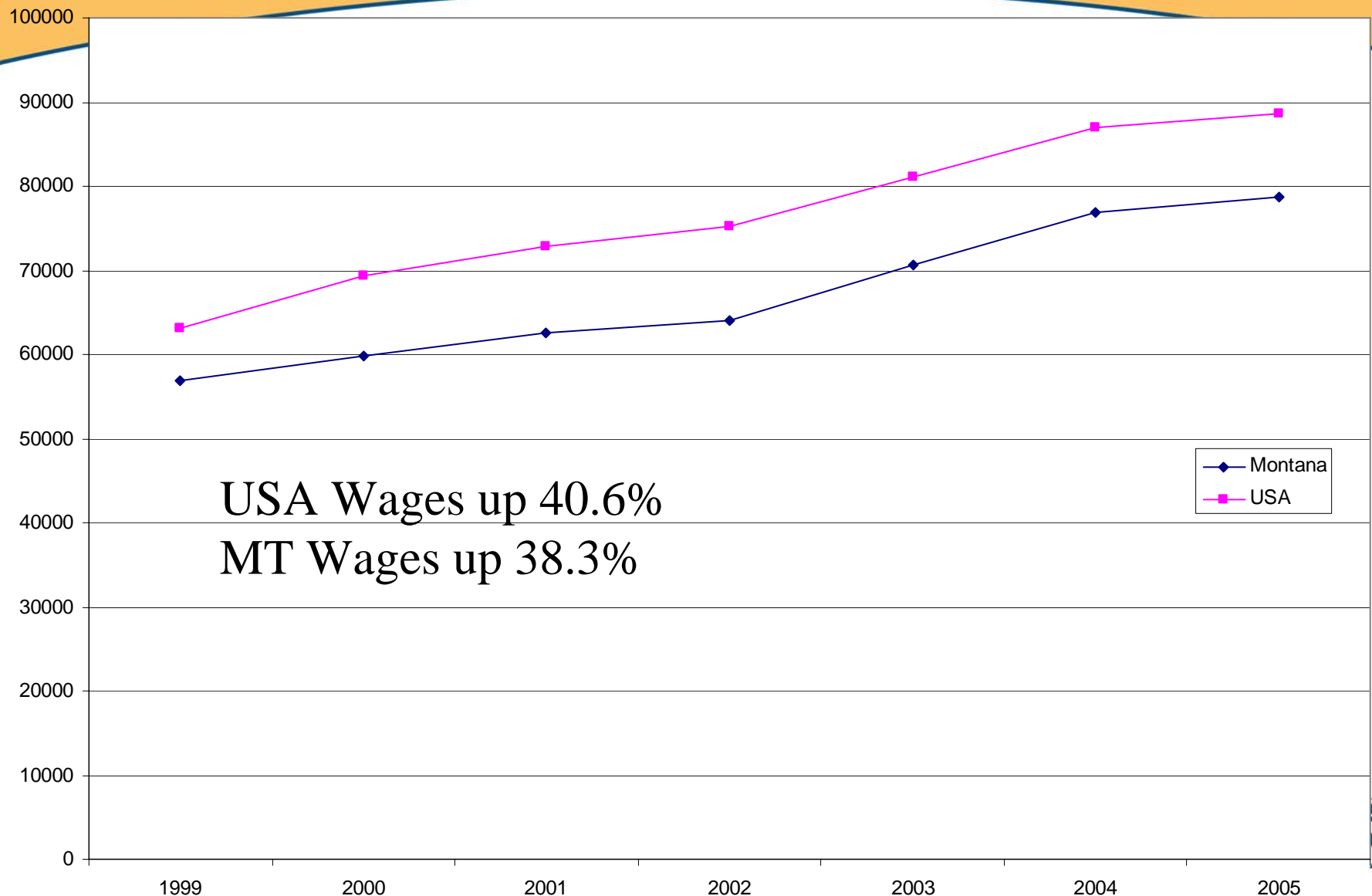
LPN Wages: 1999-2005



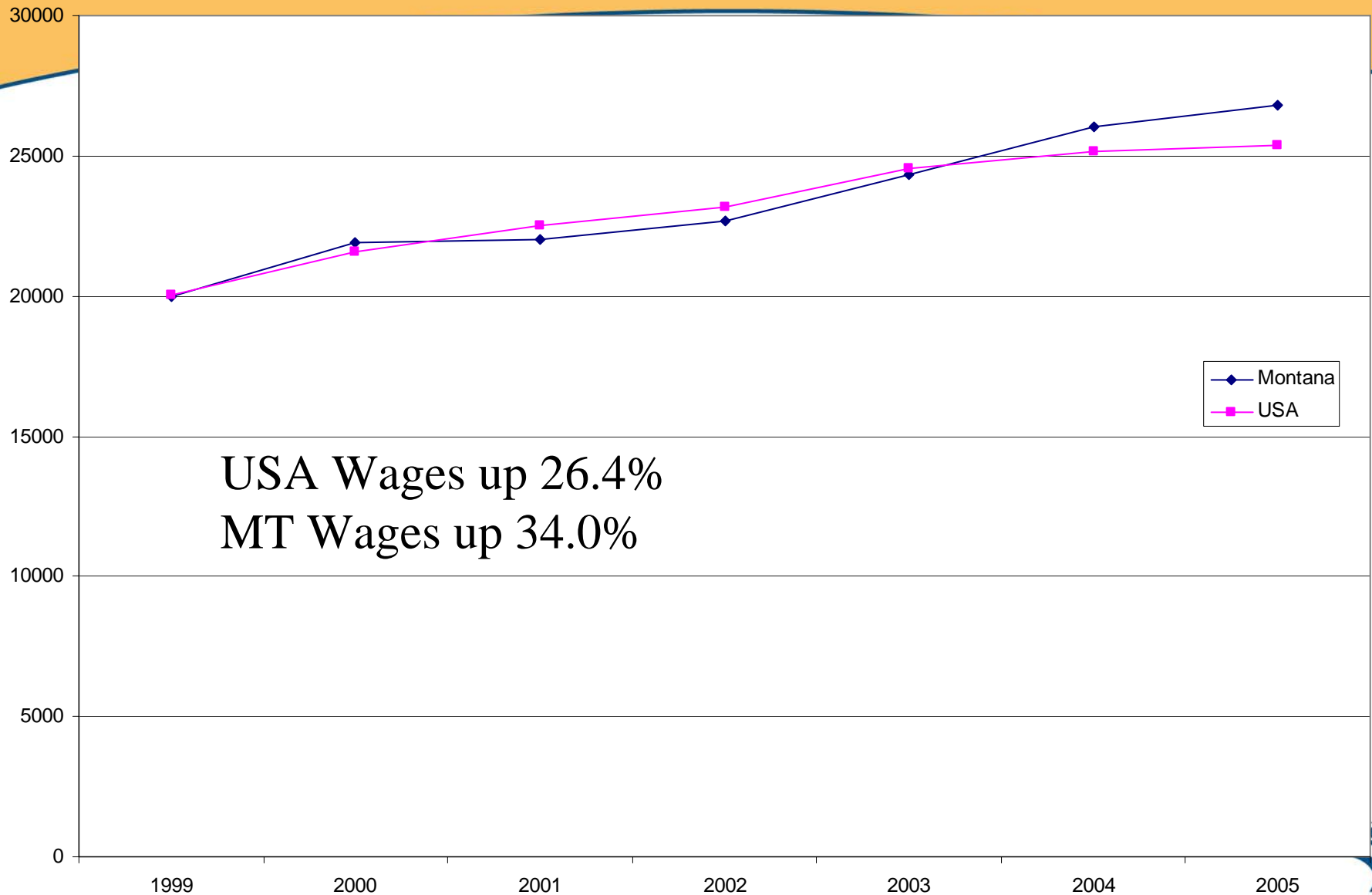
Home Health Aide Wages: 1999-2005



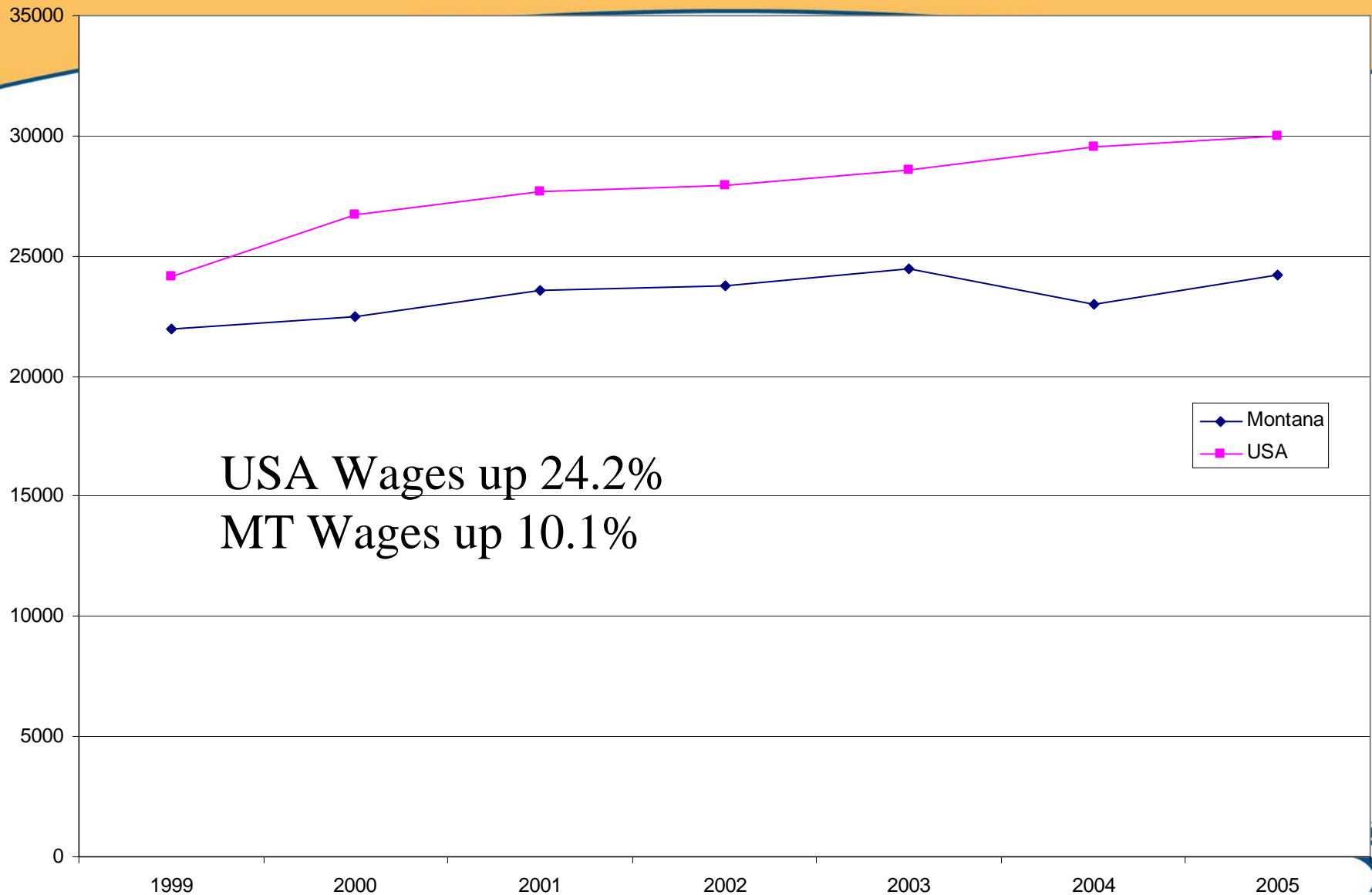
Pharmacist Wages: 1999-2005



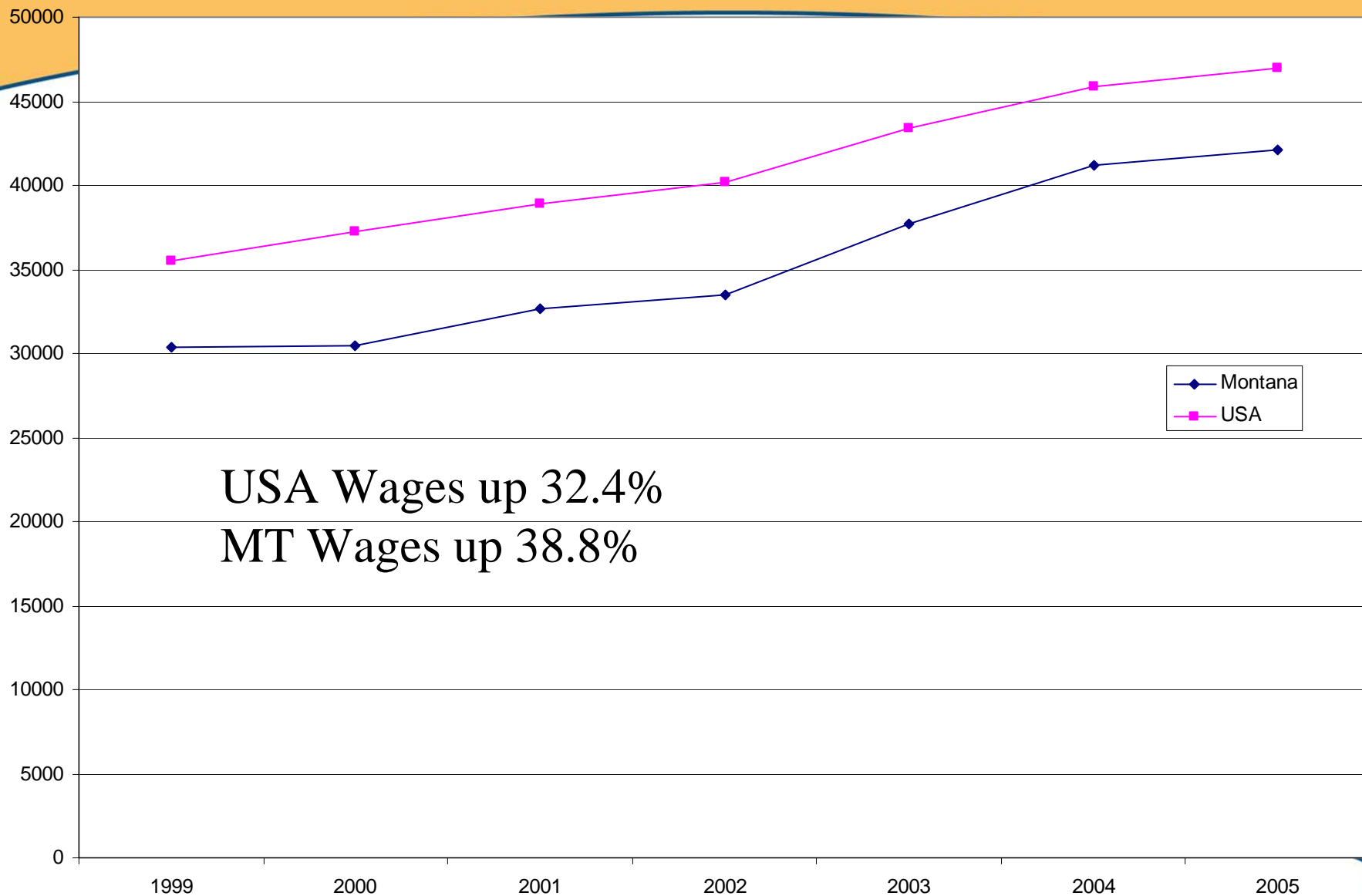
Pharmacy Technician Wages: 1999-2005



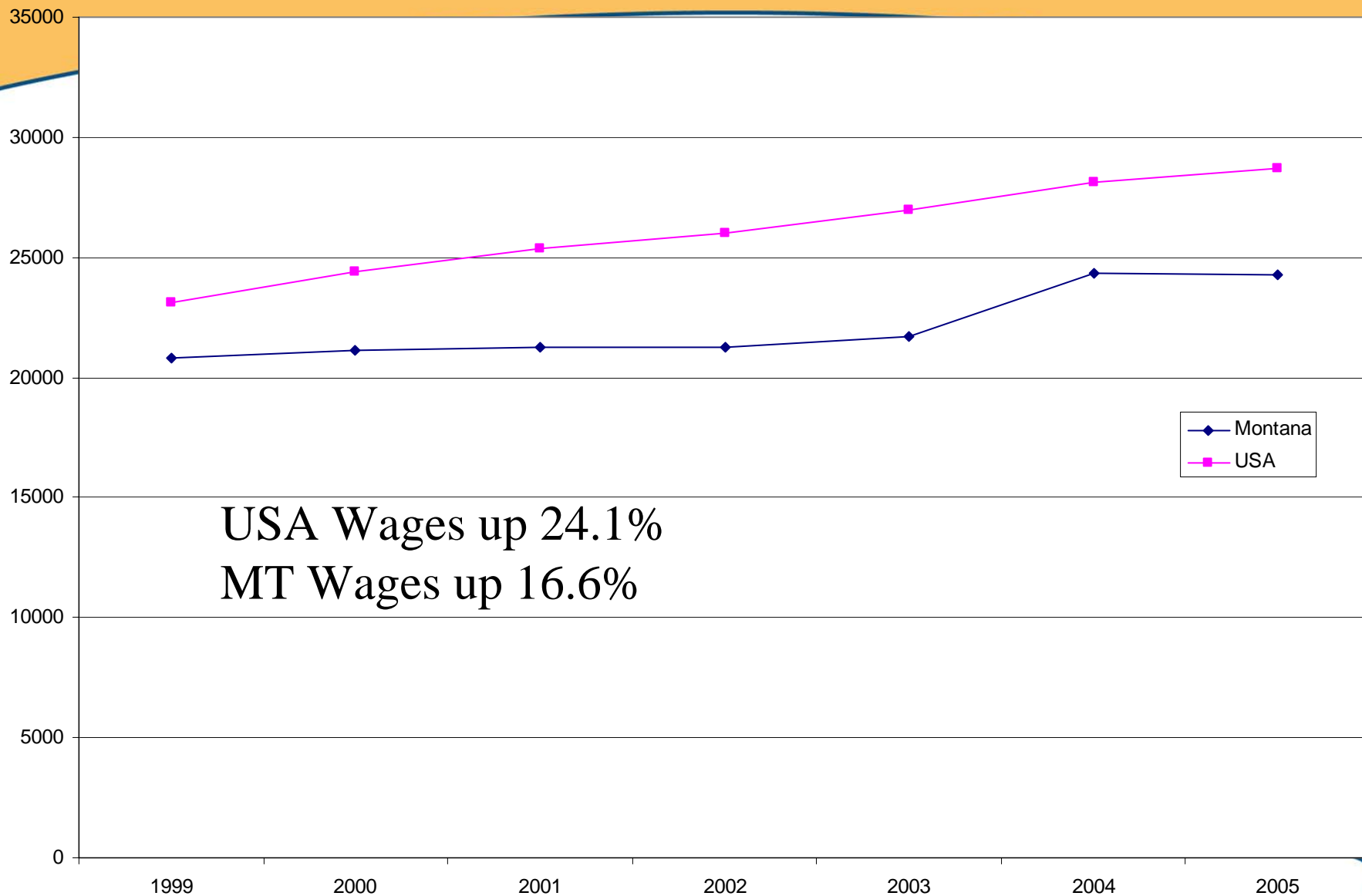
Dental Assistant Wages: 1999-2005



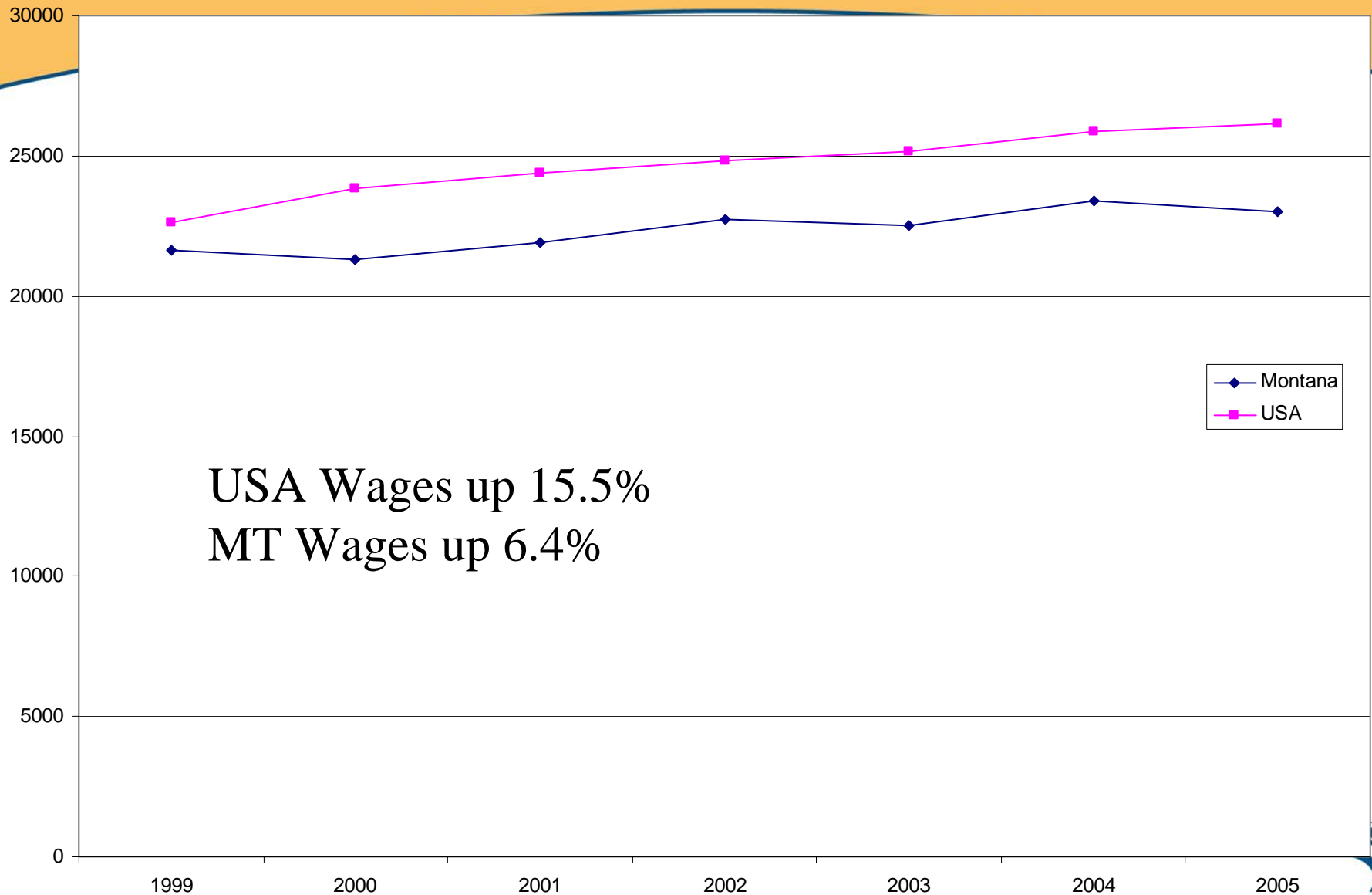
Radiologic Technologists and Technicians Wages: 1999-2005



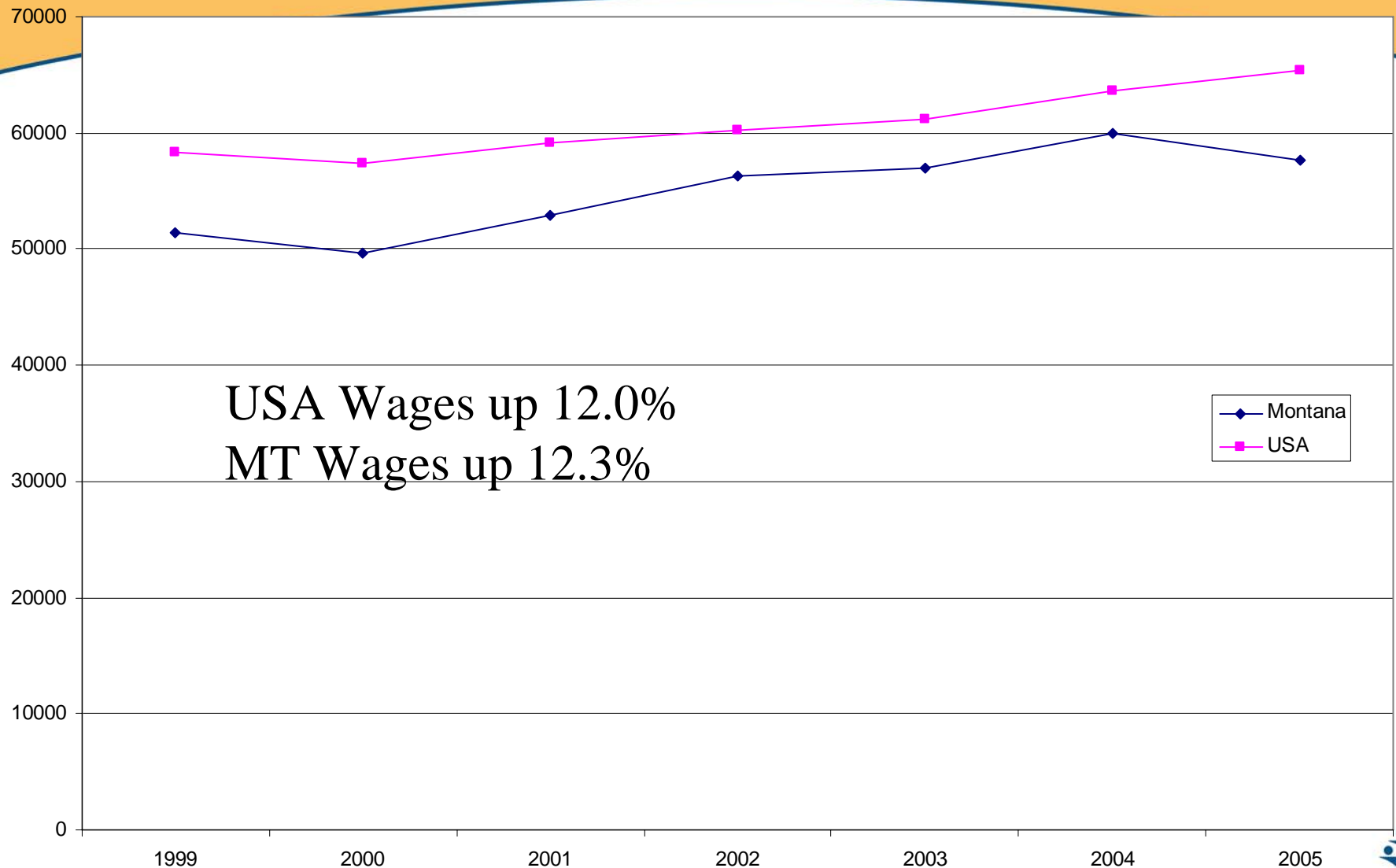
Medical Records and Health Info Tech Wages: 1999-2005



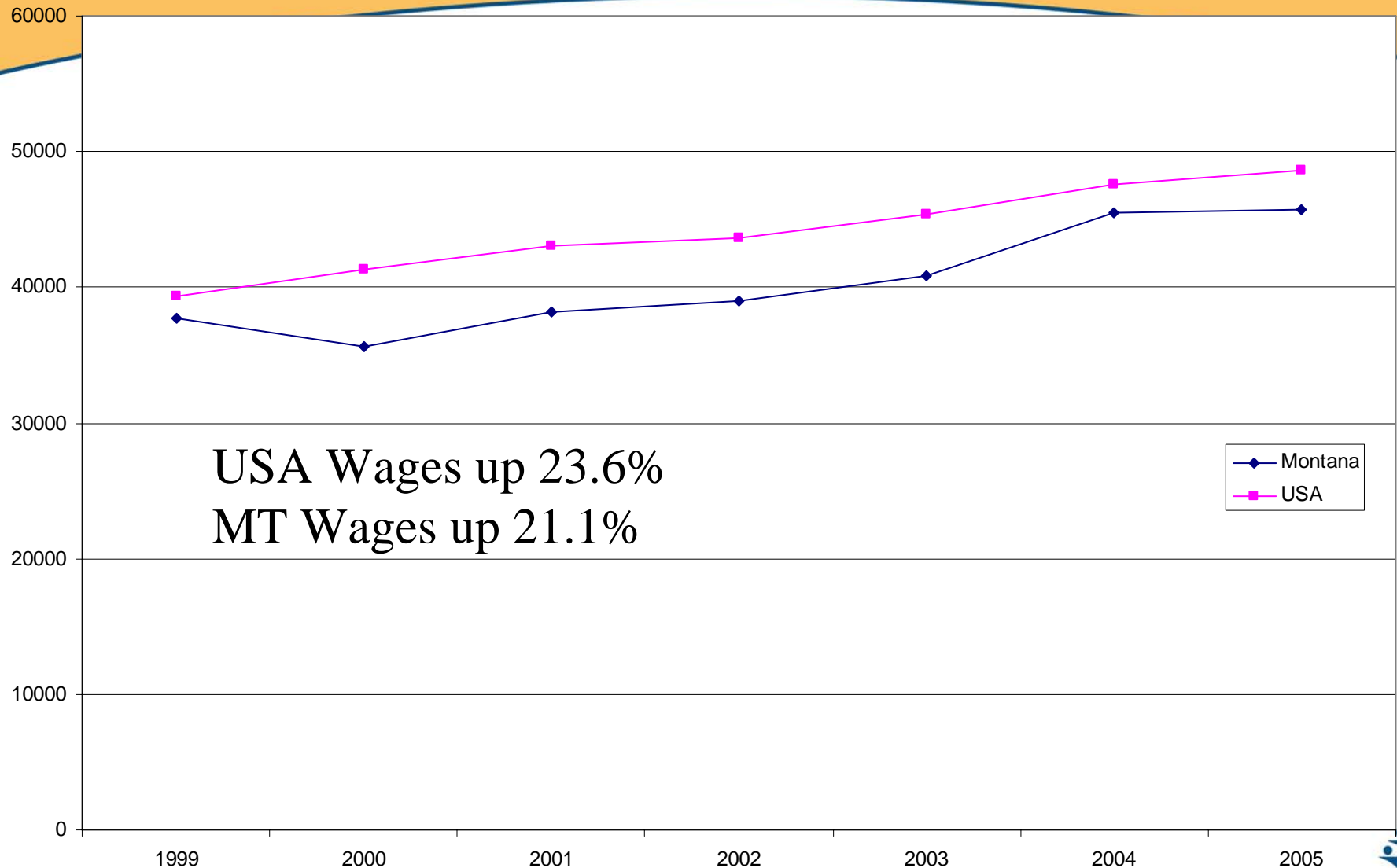
Medical Assistant Wages: 1999-2005



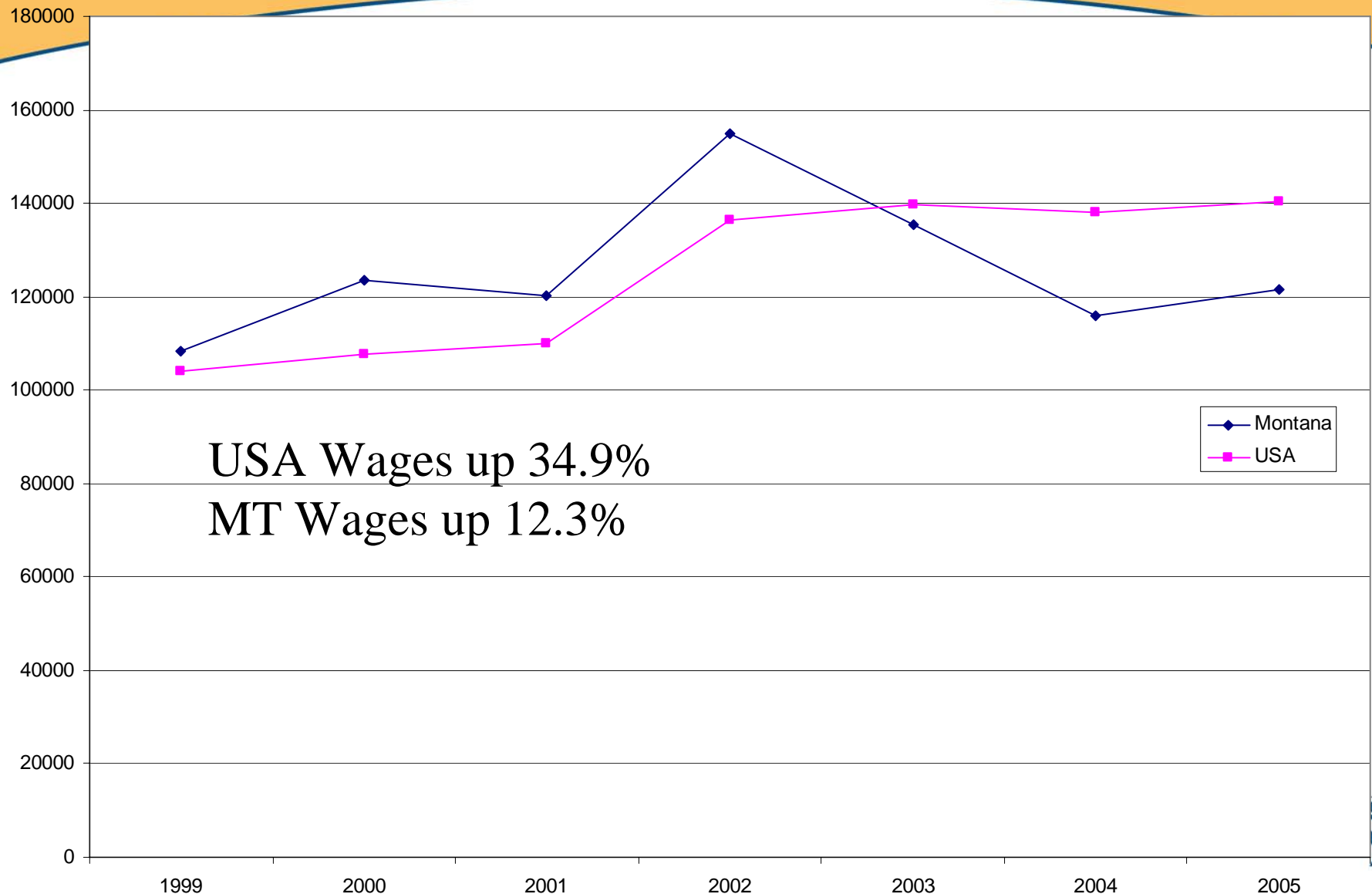
Physical Therapist Wages: 1999-2005



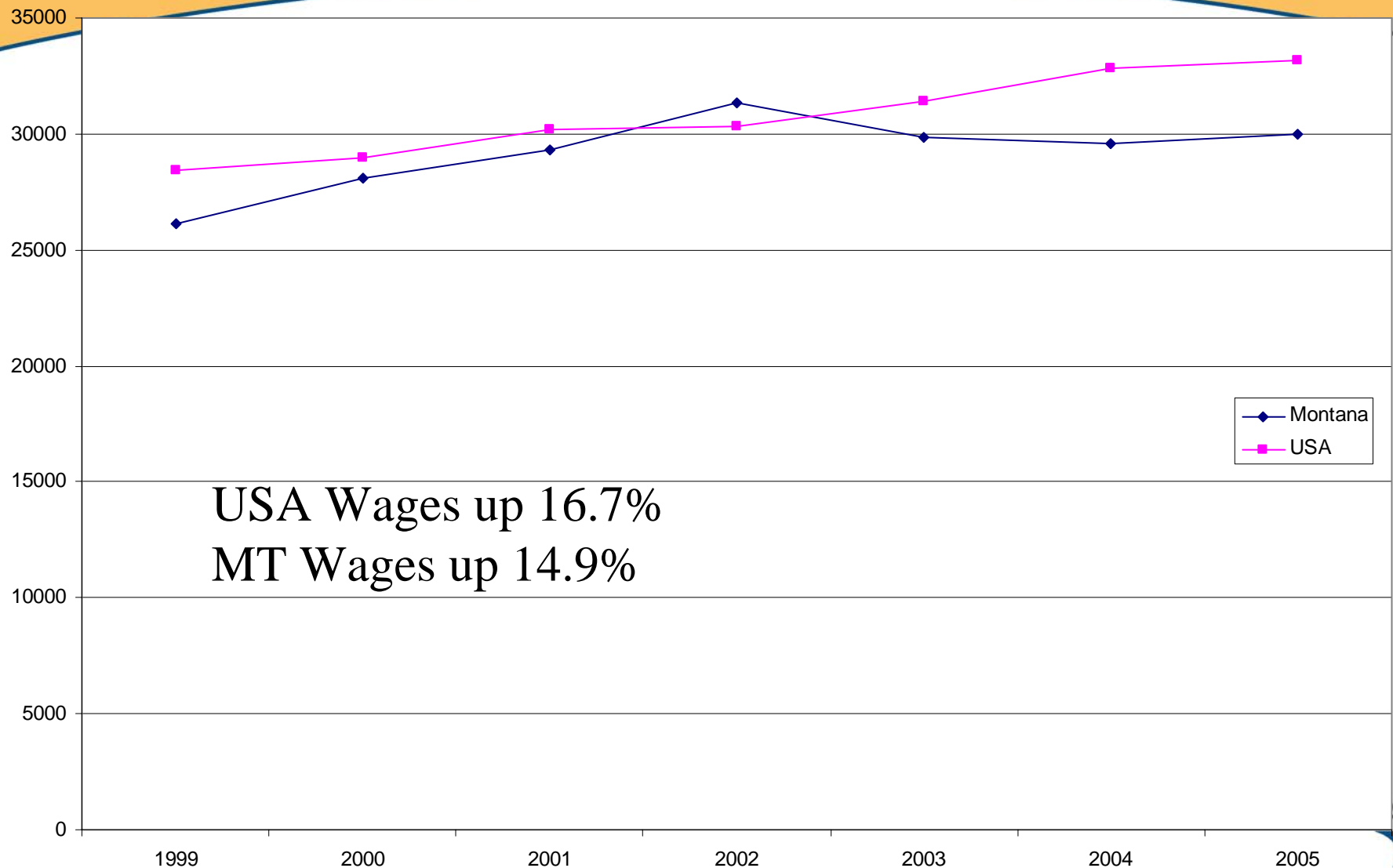
Medical and Clinical Laboratory Technologists Wages: 1999-2005



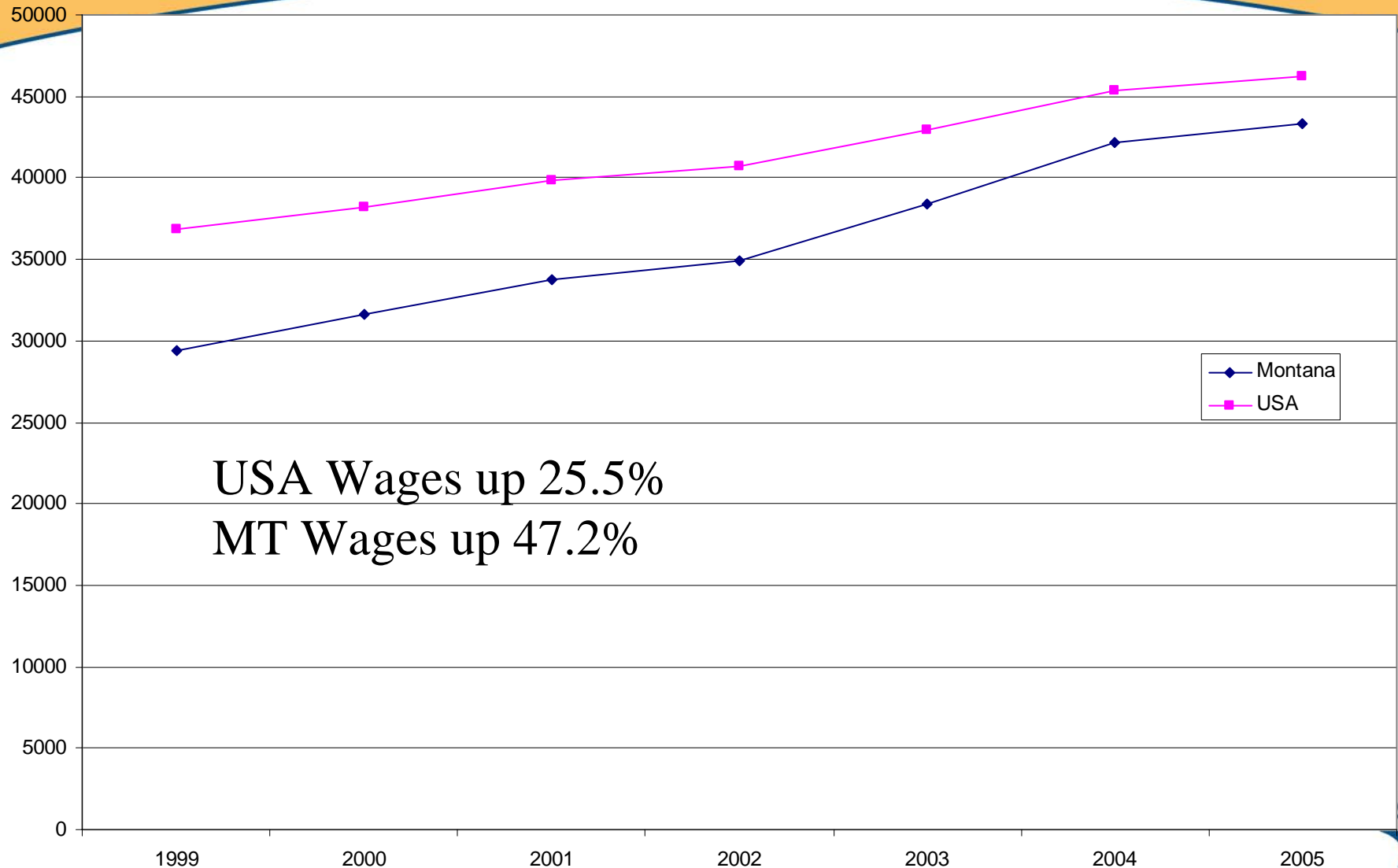
Family and General Practitioner Wages: 1999-2005



Medical and Clinical Laboratory Technicians: 1999-2005



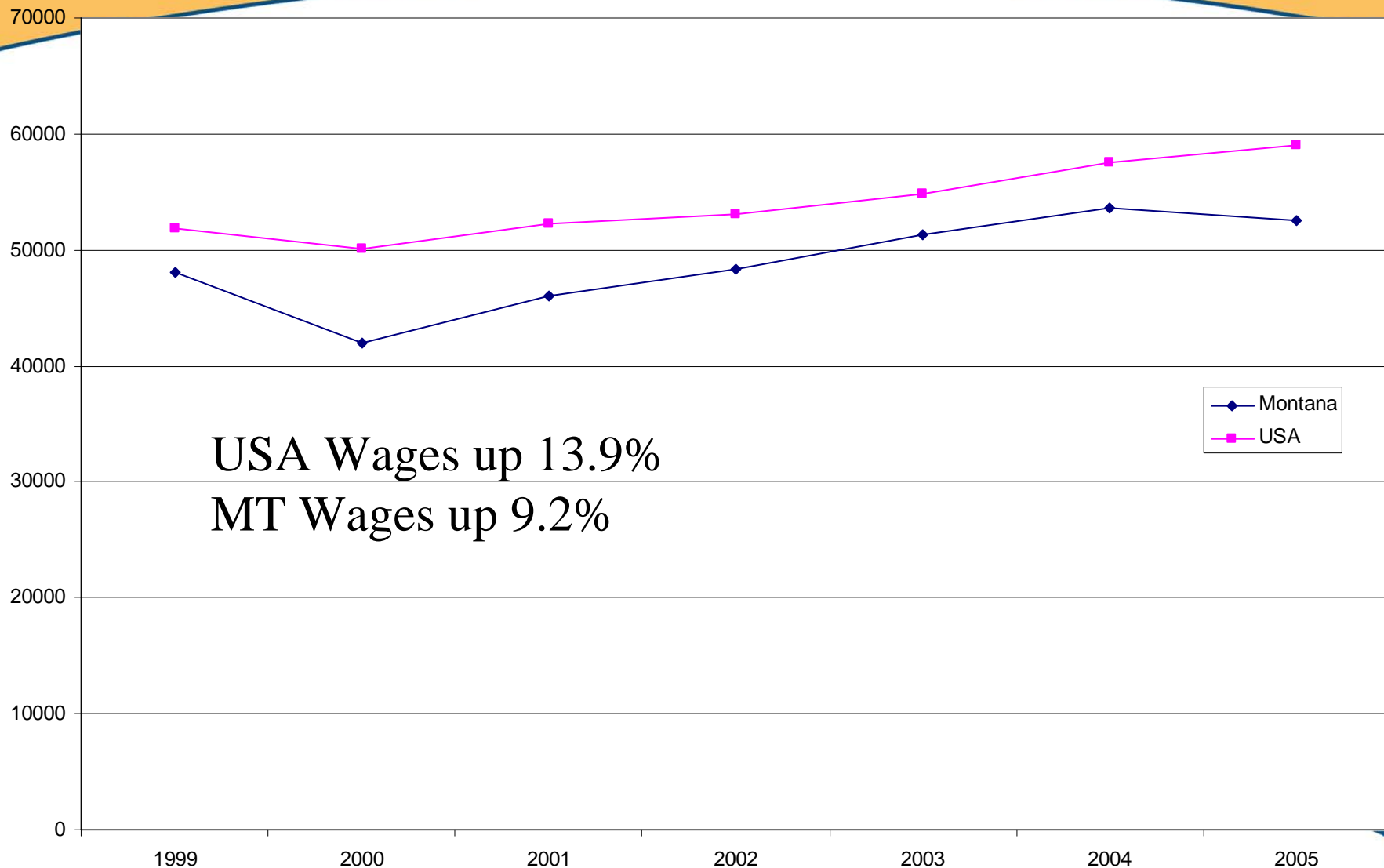
Respiratory Therapists : 1999-2005



Surgical Technologists : 1999-2005



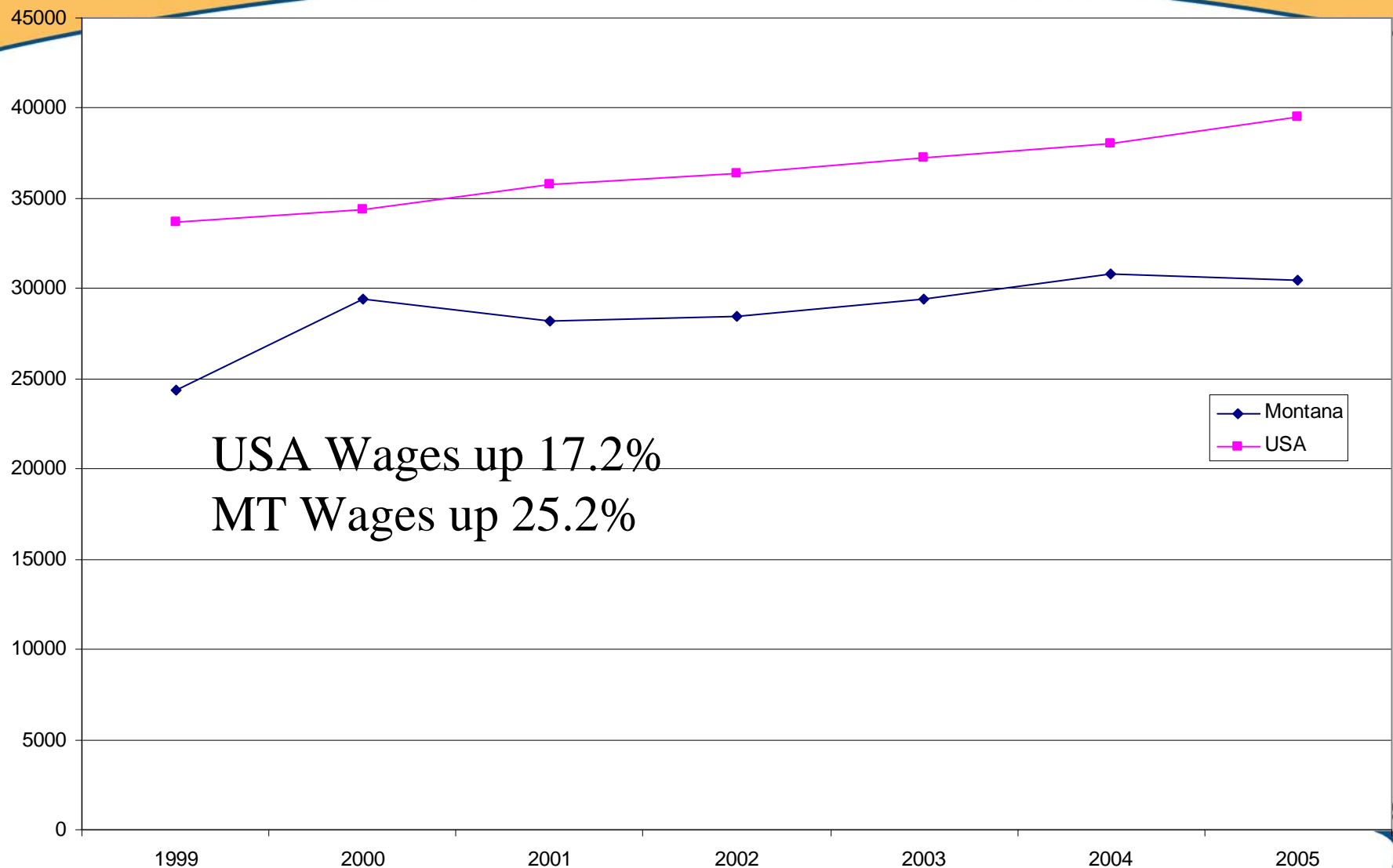
Occupational Therapists : 1999-2005



Diagnostic Medical Sonographers : 1999-2005



Physical Therapy Assistants : 1999-2005



Summary of Wage Data

- 11 of the 19 occupations experience wage growth above the MT average (1999-2005)
- 10 of the 19 occupations had faster wage growth in MT than in the US (1999-2005)
- Only 2 of the 19 occupations had higher wages in MT than the US
 - Pharmacy Techs.
 - Surgical Techs.



Location Quotients

- Compare number of people per healthcare worker in a smaller area to number in a larger area
- A ratio of ratios
- Allows us to see if we are over or under supplied in a given occupation when compared to the nation



Location Quotient Example

- In Montana there were 935,670 people in 2005 and 7,490 Nurses, or 124.9 people per nurse
- In the US, there were 296,410,404 people and 2,368,070 Nurses, or 125.2 people per nurse
- The LQ for nurses is $125.2/124.9$, or just over 1.00



Location Quotient Interpretation

- LQs near 1 indicate about the same ratio as the US
- LQs over 1 indicate more workers per population in MT than the US
- LQs under 1 indicate fewer workers per population in MT than the US



“Location Quotients” for Healthcare Occupations

Occupation	LQ
Medical Assistants	0.58
Physical Therapy Assistants	0.65
Medical and Clinical Laboratory Technicians	0.71
Occupational Therapists	0.83
Occupational Therapist Assistants	0.86
Dental Assistants	0.94
Diagnostic Medical Sonographers	0.94
Pharmacy Techs	0.95
Home Health Aides	0.97
Registered Nurses	1.00
Respiratory Therapists	1.06
Surgical Technologist	1.10
Medical and Clinical Laboratory Technologists	1.18
Family and General Practitioners	1.19
Nursing Aides	1.21
LPNs	1.24
Radiologic Technologists and Technicians	1.25
Pharmacists	1.27
Physical Therapists	1.34
Medical Records and Health Information Technicians	1.38
Dentists, General	1.43



Projections: 2004-2014

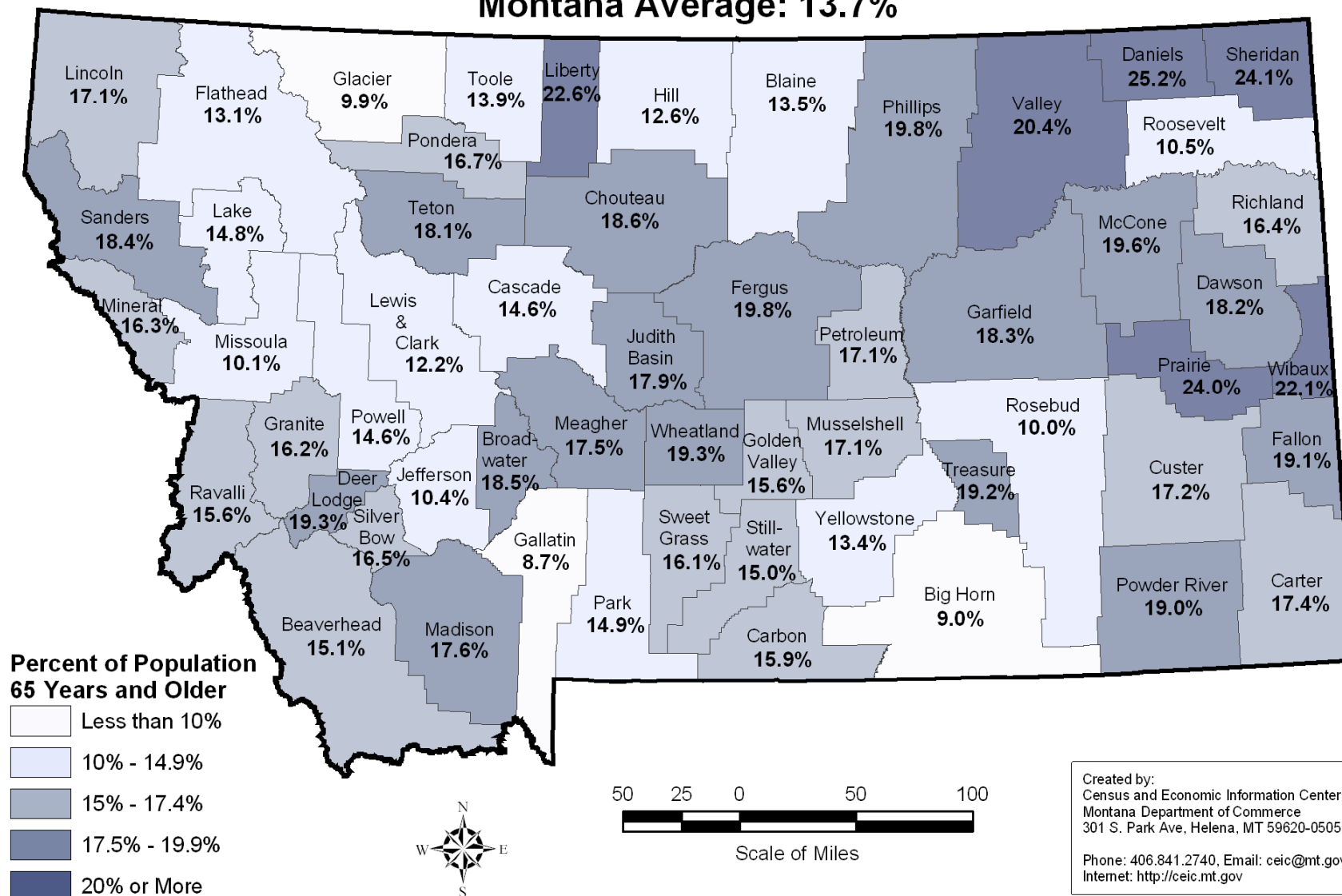
Occupation	2004	2014	% Growth	Annual Openings	Current Production
Dentists	526	517	-1.7	9	
Pharmacists	982	1402	30.0	61	70
Family and General Practitioners	732	894	18.1	26	6
Registered Nurses	8344	10821	22.9	423	387
Occupational Therapists	271	351	22.8	12	
Physical Therapists	797	1038	23.2	32	25
Respiratory Therapists	354	511	30.7	27	22
Medical and Clinical Laboratory Technologists	506	608	16.8	24	
Medical and Clinical Laboratory Technicians	304	356	14.6	13	
Diagnostic Medical Sonographers	77	94	18.1	3	
Radiologic Technologists and Technicians	669	815	17.9	27	27
Pharmacy Technicians	736	1040	29.2	40	10
Surgical Technologists	298	390	23.6	13	42
Licensed Practical and Licensed Vocational Nurses	2836	3289	13.8	107	136
Medical Records and Health Information Technicians	647	913	29.1	36	17
Home Health Aides	2049	2901	29.4	112	
Nursing Aides, Orderlies, and Attendants	6052	7695	21.4	244	
Occupational Therapist Assistants	53	70	24.3	2	
Physical Therapist Assistants	146	206	29.1	9	
Dental Assistants	1029	1273	19.2	53	13
Medical Assistants	884	1271	30.4	55	12



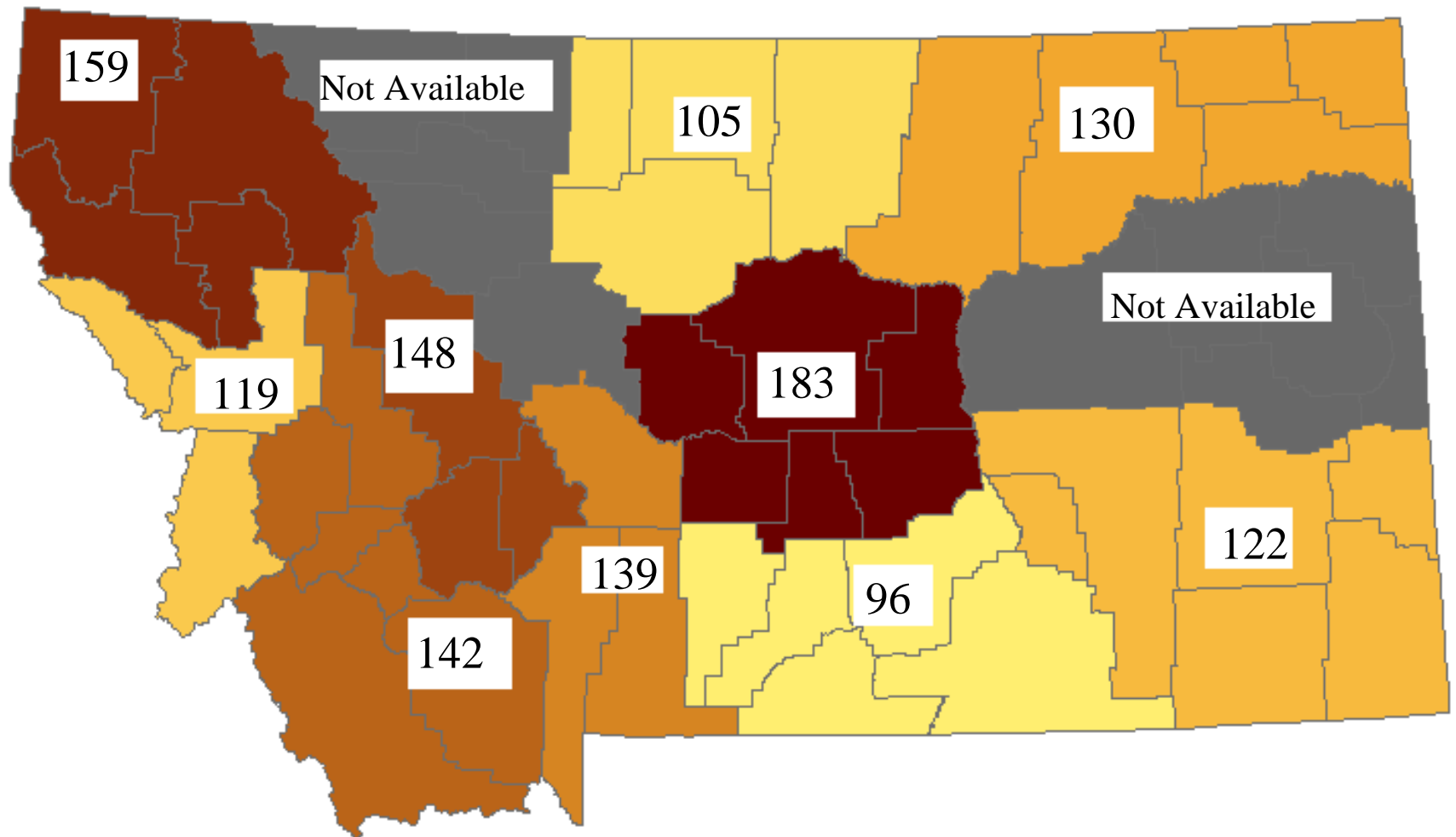
2004 POPULATION ESTIMATES: MONTANA

Percent of the Population Age 65 Years and Over

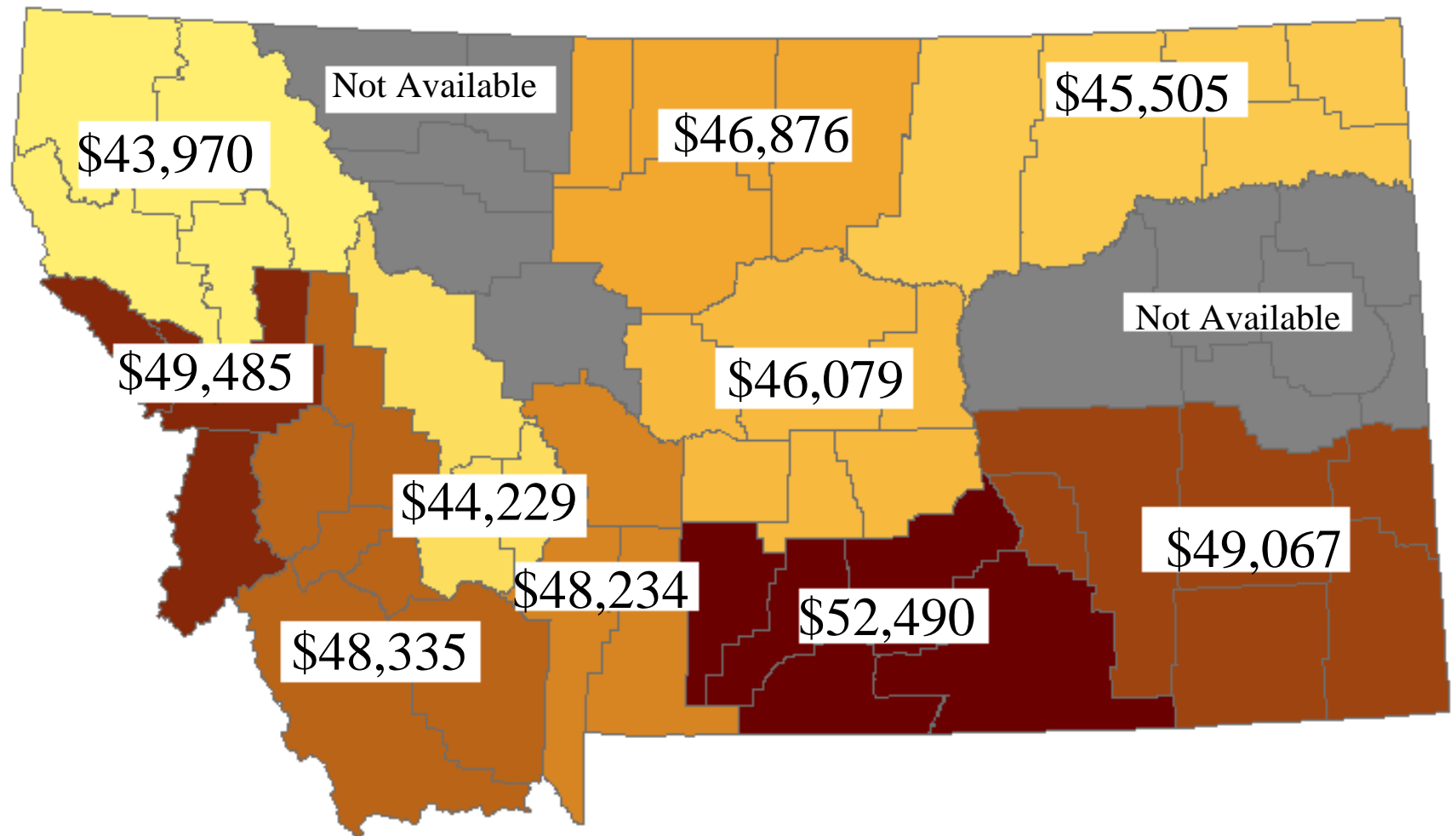
Montana Average: 13.7%



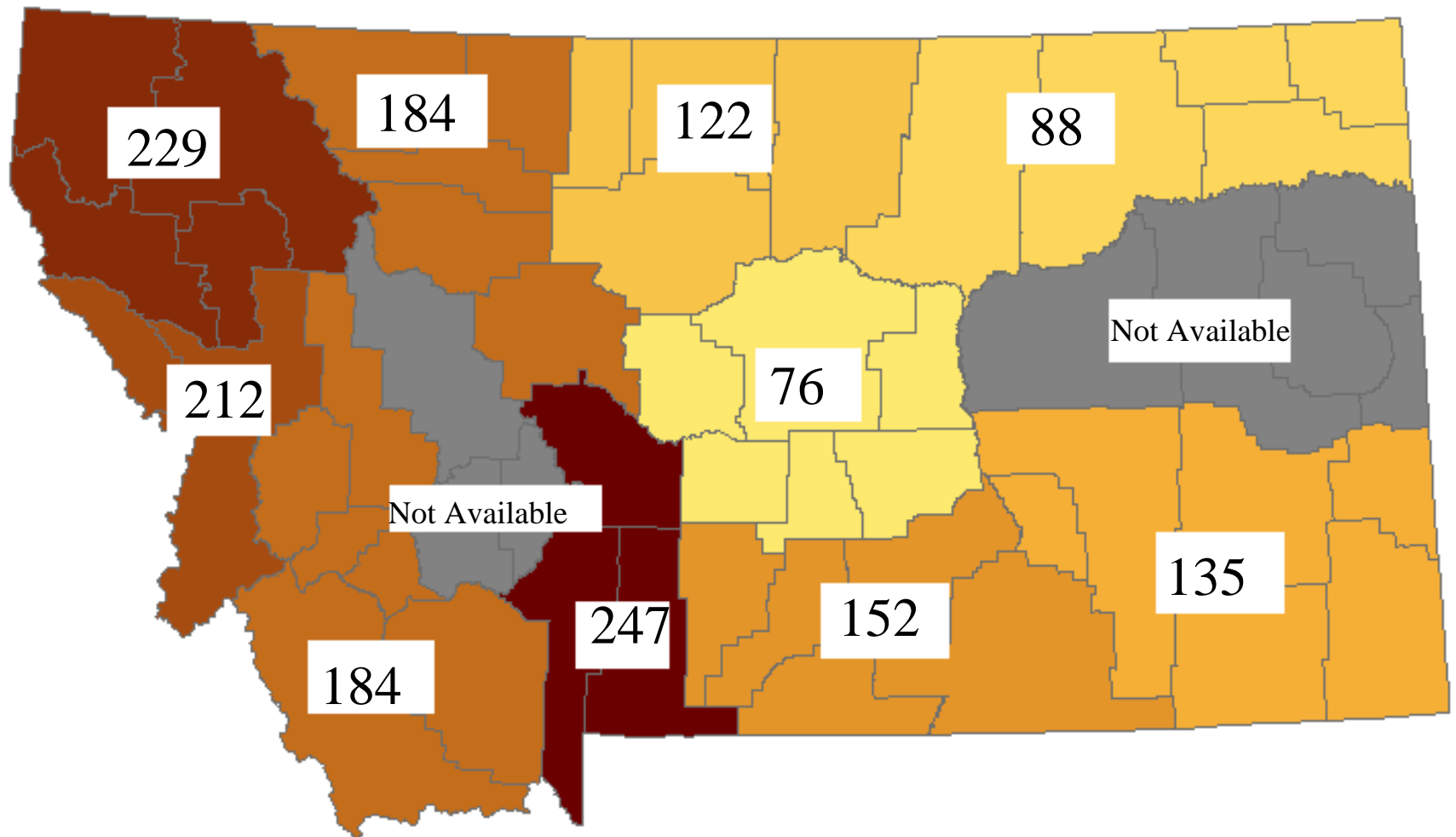
Ratio of Population to Nurses



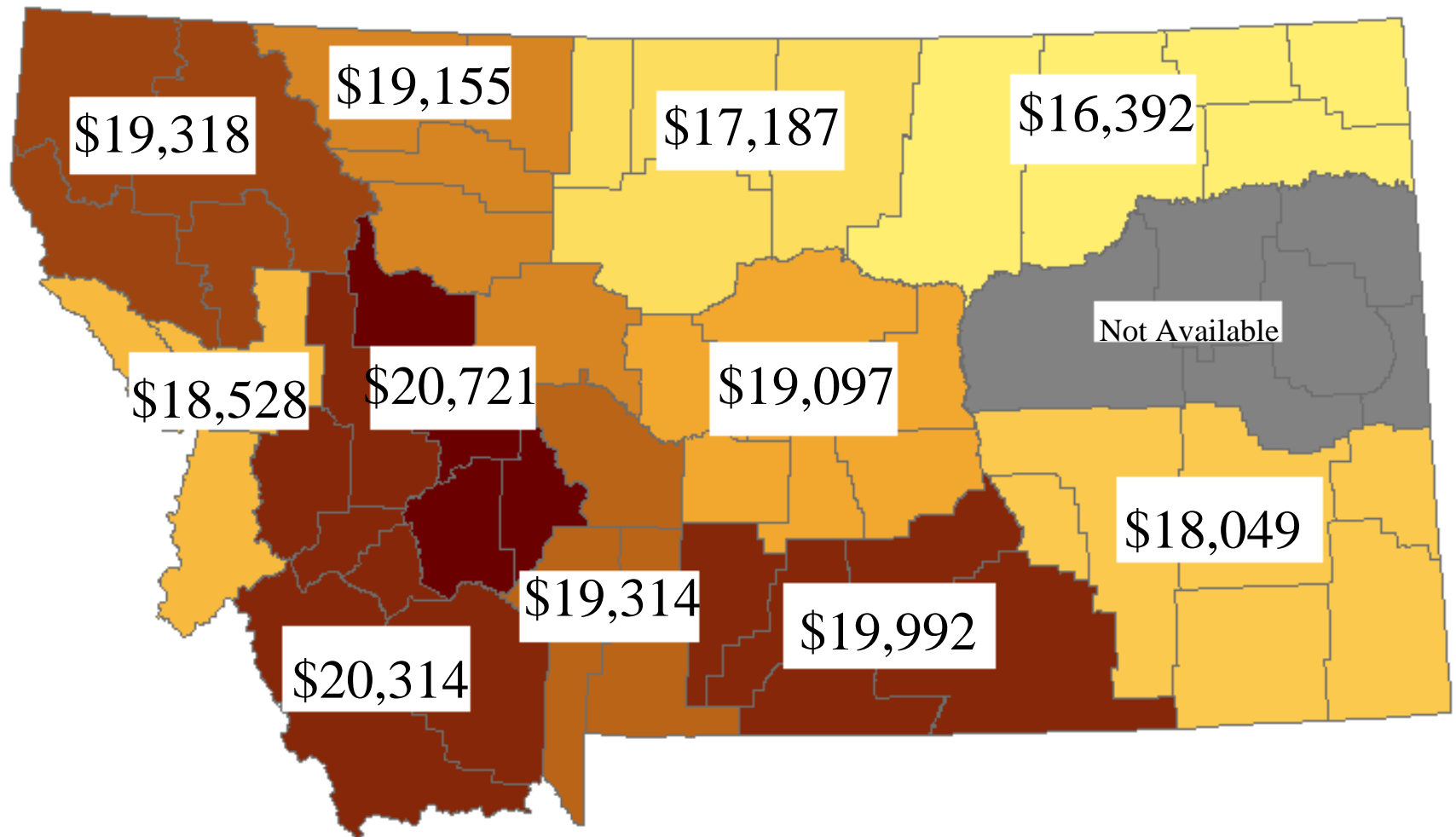
RN Wages by District



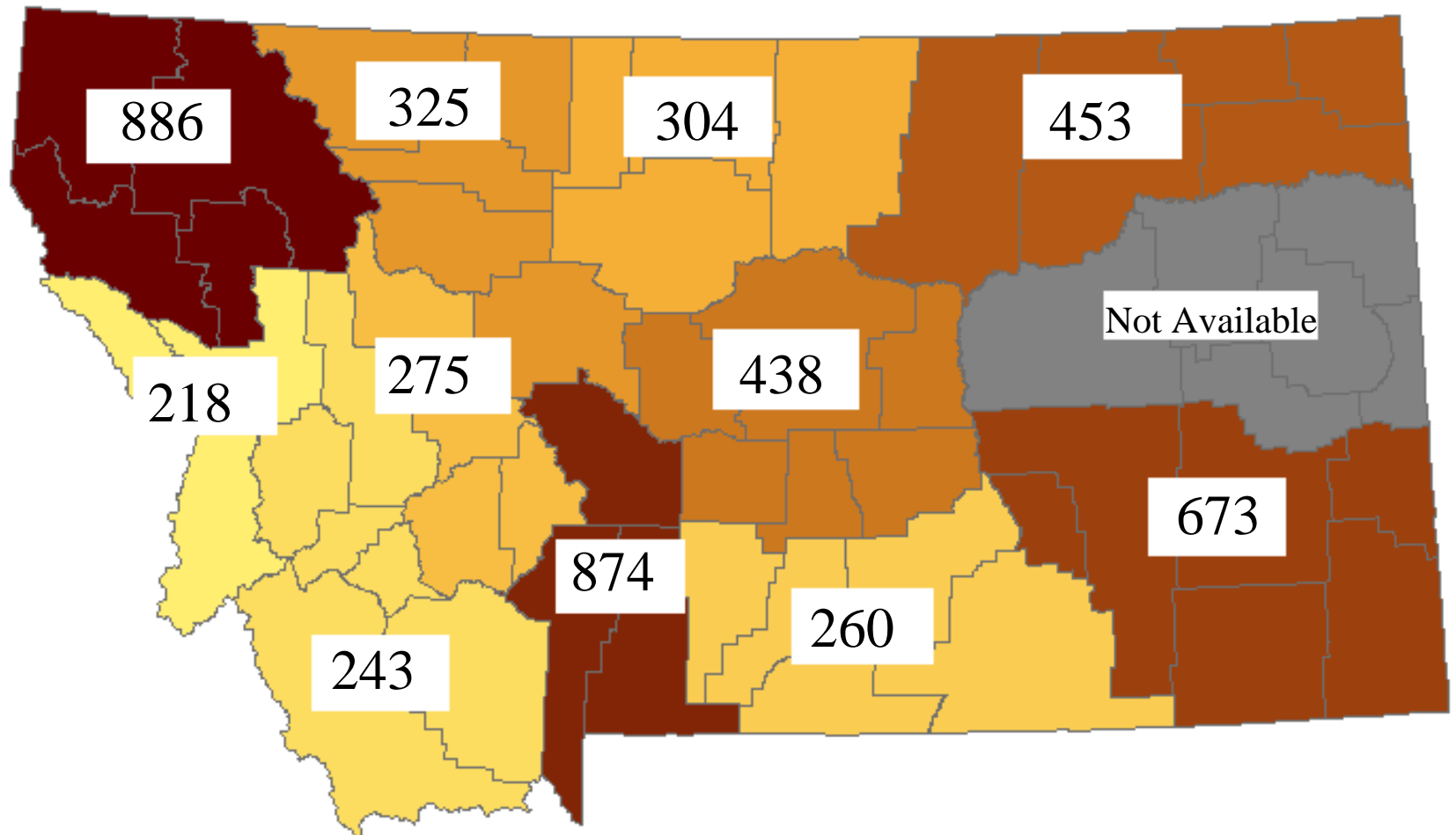
Ratio of Population to Nursing Aides



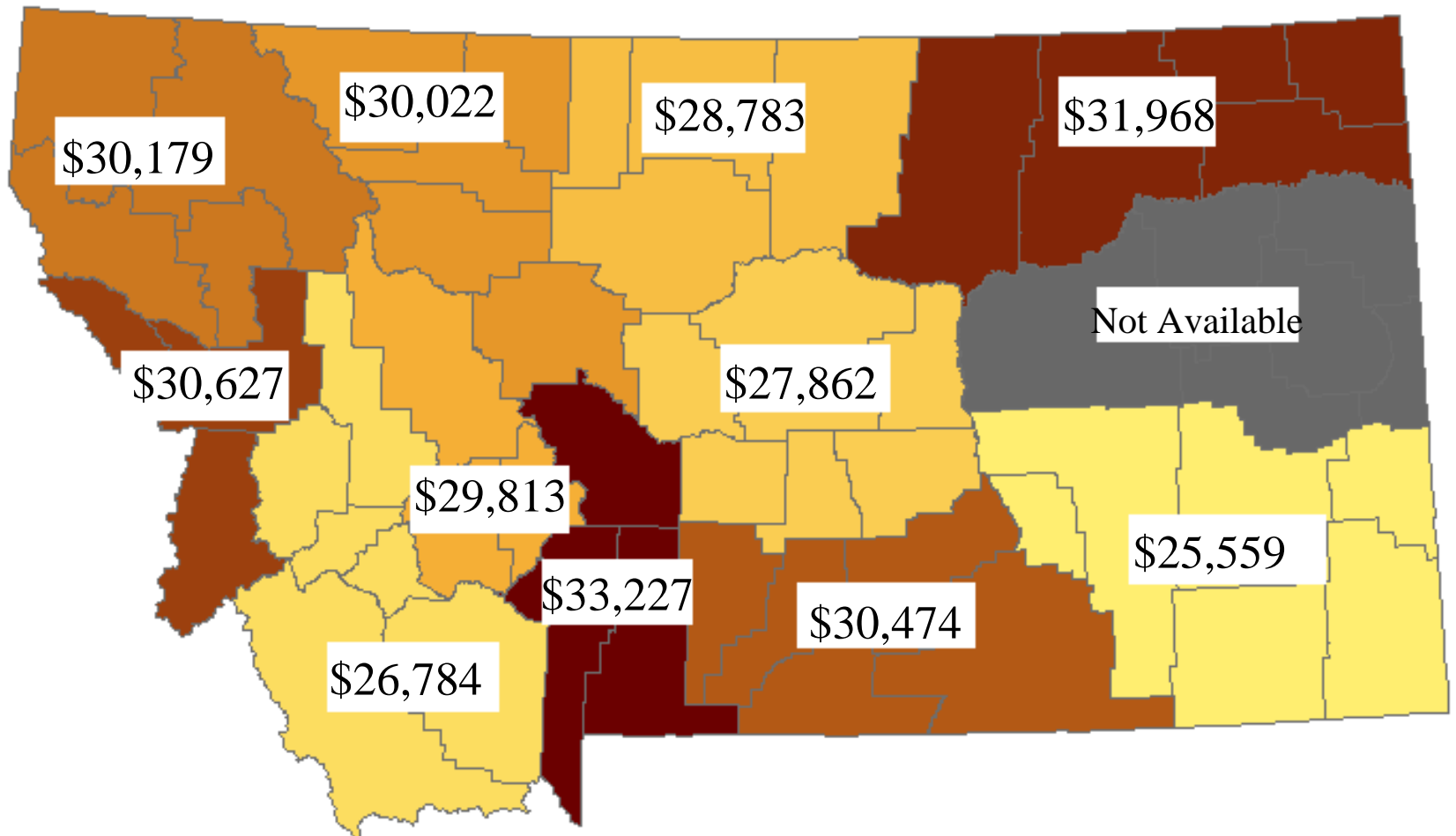
Nursing Aides Wages by District



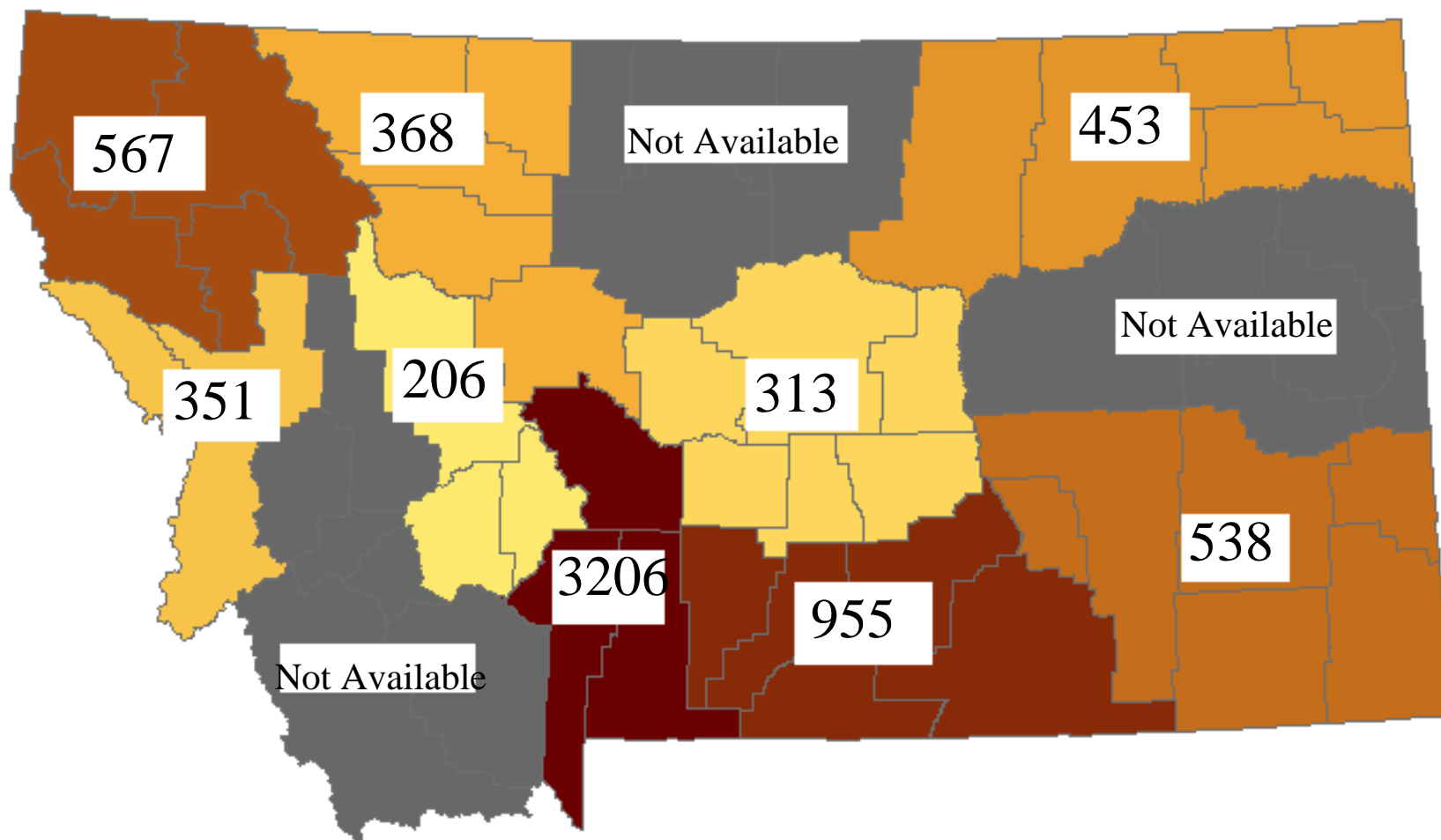
Ratio of Population to LPNs



LPN Wages by District



Ratio of Population to Home Health Aides



Home Health Aide Wages by District

